Version **GZR-C V1.0**

Technical Specification

19” Rack-mount Terminal Box

GZR-C series

Yangtze Optical Fibre and Cable Joint Stock Limited Company

All rights reserved

Customer Approval			
	Name	**Signature**	**Date**
Approved by			

All Rights Reserved Copyright © 2020

Contents

1. General....2
1.1 Description....2
1.2 Standards Comply....2
1.3 Applications Environment....2
2. Characteristics....3
3. Specifications....3
3.1 Mechanical specifications....3
3.2 Optical specifications....3
4. Configuration....4
5. Product Picture....5
6.Package....7

All Rights Reserved Copyright © 2020

1. General

1.1 Description

GZR-C series rack-mount terminal box is the functional components used in Optical Fiber Distribution Frames or network integrated cabinet, integrated fibre splicing, distribution and storage. Terminal box structure, convenient use, maintenance and operation.

Production type	Classification
GZR-C	19” Rack-mount Terminal box

Appearance of GZR-C series

1.2 Standards Comply

The production offered by YOFC are designed, manufactured and tested according to the standards as follows:

UL 94	Test for flammability of plastic materials for parts in devices and appliances
IEC61300-2	Fiber optic interconnecting devices and passive components - Basic test and measurement procedures
IEC60068-2	Basic environmental testing procedures for electric and electronic products

1.3 Applications Environment

Item	Value
Operation temperature	-5 ºC～+40 ºC , ≤95%RH(at 40 ºC)
Installation temperature	-5 ºC～+40 ºC
Storage temperature	-30 ºC～+55 ºC, ≤90%RH(at 30 ºC)

All Rights Reserved Copyright © 2020

2. Characteristics

1. High density, 1U height up to 48 cores and 2U height up to 96 cores (double LC adapter).

2.IP20, scratch resistant powder paint.

3.Adjustable terminal box recess up to 50mm.

4.Terminal box panel with stopper at full travel ,The Maximum travel of guide rail is 250mm.

5.1 to 3 pieces of adapter panels per U. Unified rack, a variety of optional adapter panel can be chosen, flexible application and expansion .

6.Applicable to FC (D type), SC, LC(simplex), LC(duplex) and other adapter by choosing different adapter panel.

3. Specifications

3.1 Mechanical specifications

Item	Specifications	Note
Material of housing	Coated cold-rolled steel	
Material of internal components	Flame retardant of ABS	
Material of metal accessory	High-quality stainless steel	
Color	RAL 9004 Black	Customizabled
Number of inlet ports	4	
Fiber tube diameter of the input port(mm)	Φ3~Φ13	
adaptor durability	≥1000 cycle	
Insulation resistance	≥2 × 10^4 M Ω / 500V (DC)	
Withstand Voltage	≥3000V（DC）/1min	

3.2 Optical specifications

Item	Test Method	Specification	Note
Insertion loss(dB)	IEC61300-3-4-Method B	Mean≤0.1dB，Maximum≤0.3dB	
Return loss(dB)	IEC61300-3-6-Method 1	APC≥60dB，UPC≥50dB	
Random connection	IEC61300-3-4	Mean≤0.15dB，Maximum≤0.3dB	
Splitter		Refer to micro splitter technical specification	
Repeatability	IEC 61300-2-2 500 cycles	During the test the difference between the initial measurement and each of the measurements after one cycle must be less than 0.20 dB, and should be cleaned otherwise, with a limit of 25 cleanings	

All Rights Reserved Copyright © 2020

4. Configuration

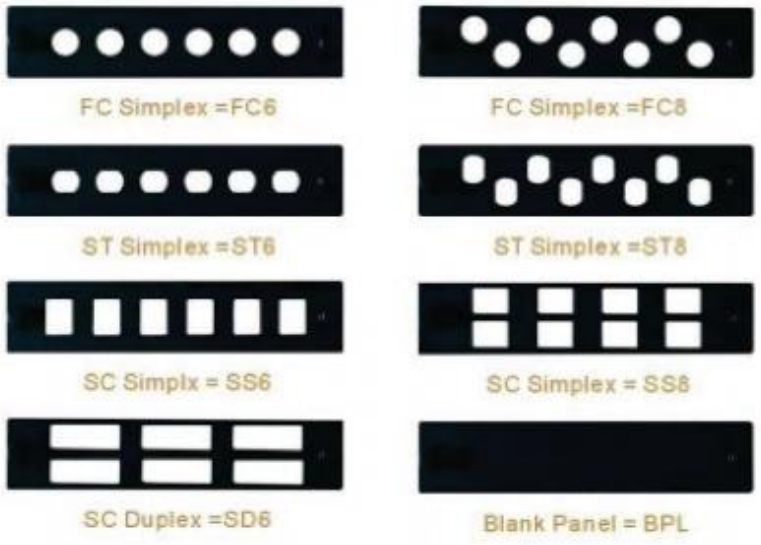
Basic parameters of GZR-C series rack-mount terminal box

Name	Type	Dimensions H*W*D (mm)	Capacity (cores)	Note
19” Rack-mount Terminal Box (1U)	GZR-C-12SC	1U*482*320	12	2×6 cores SC panel +1×blank panel
	GZR-C -12FC		12	2×6 cores FC panel +1×blank panel
	GZR-C -12E2000		12	2×6 cores E2000 panel +1×blank panel
	GZR-C -24DLC		24	2×12 cores DLC panel +1×blank panel
	GZR-C -16FC		16	2×8 cores FC panel +1×blank panel
	GZR-C -24SC		24	3×8 cores SC panel
	GZR-C -24FC		24	3×8 cores FC panel
	GZR-C -24E2000		24	3×8 cores E2000 panel
	GZR-C -48DLC		48	3×16 cores D panel
19” Rack-mount Terminal Box (2U)	GZR-C -48SC	2U*482*320	48	6×8 cores SC panel
	GZR-C -48FC		48	6×8 cores FC panel
	GZR-C -48E2000		48	6×8 cores E2000 panel
	GZR-C -96DLC		96	6×16 cores DLC panel
19” Rack-mount Terminal Box (3U)	GZR-C -64FC	3U*482*320（customized type）	64	8×8 cores FC panel+1×blank panel
	GZR-C -72SC		72	9×8 cores SC panel
	GZR-C -72FC		72	9×8 cores FC panel
	GZR-C -144DLC		144	9×16 cores DLC panel
19” Rack-mount Terminal Box (4U)	GZR-C -96SC	4U*482*320（customized type）	96	12×8 cores SC panel
	GZR-C -96FC		96	12×8 cores FC panel
	GZR-C -192DLC		192	12×16 cores DLC panel

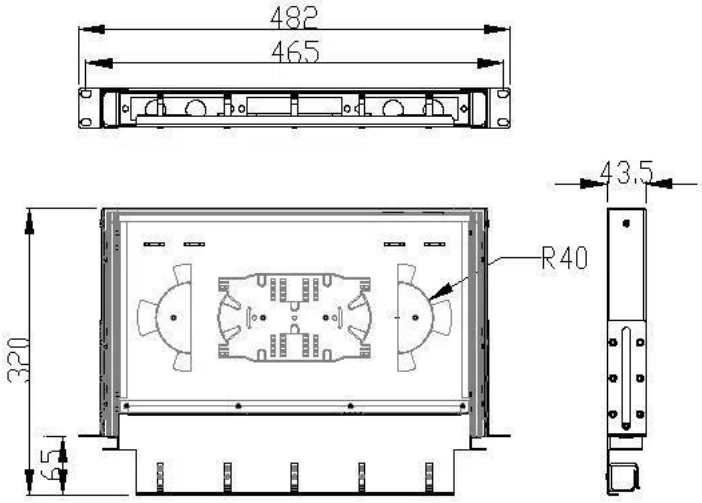
Note:1. Other type of adapter panels can be customized according to customer requirements.
2.Other dimension drawer can be customized according to customer requirements.

All Rights Reserved Copyright © 2020

5. Product Picture

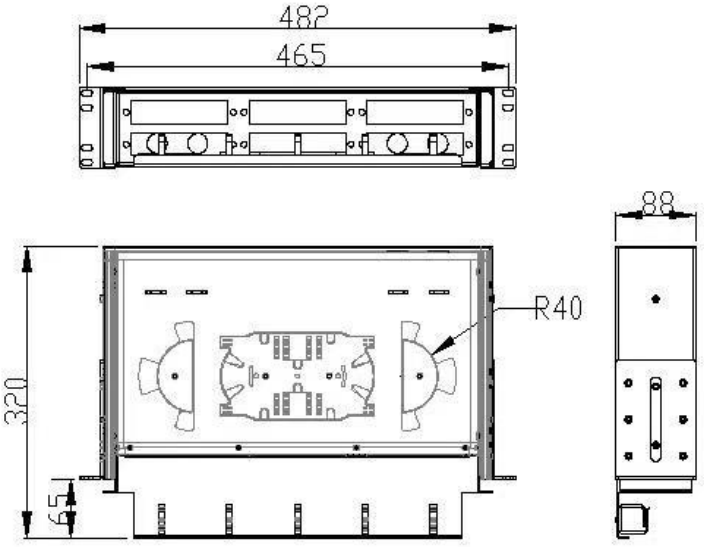


Picture of connector panels

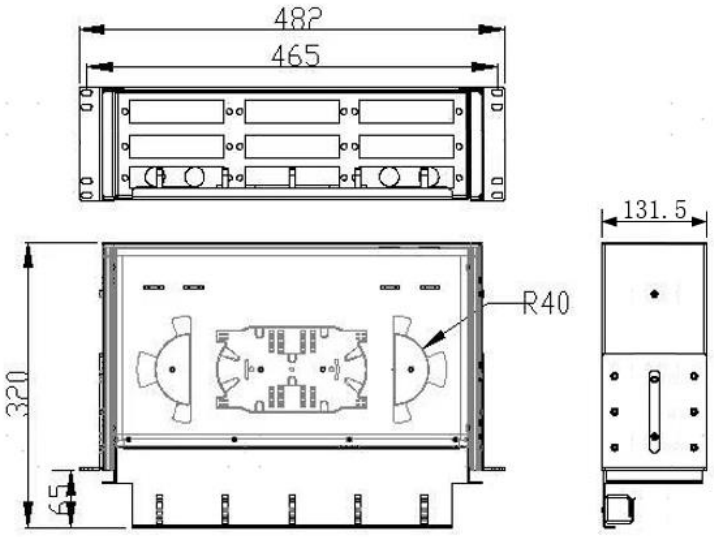


Technical drawing of GZR-C rack-mount terminal box (1U)

All Rights Reserved Copyright © 2020

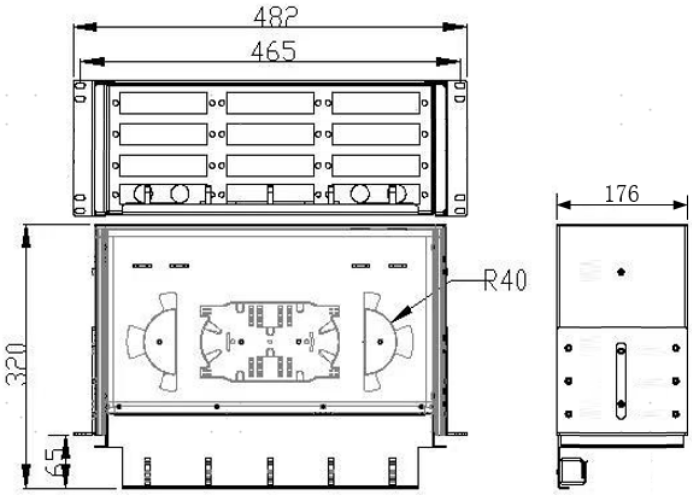


Technical drawing of GZR-C rack-mount terminal box (2U)



Technical drawing of GZR-C rack-mount terminal box (3U)

All Rights Reserved Copyright © 2020



Technical drawing of GZR-C rack-mount terminal box (4U)

6.Package

1.Carton or wooden packaging is used for transportation service.

2. Storage precautions: warehouse air acidic, alkaline or other harmful gases, shall comply with environmental requirements.

All Rights Reserved Copyright © 2020